

## Center for Regional Disaster Resilience



The Center for Regional Disaster Resilience (CRDR), operating under PNWER, focuses on infrastructure interdependencies and disaster resilience projects. The CRDR is committed to working with states, provinces, territories and communities to create public-private partnerships, develop action plans, and undertake pilot projects to improve regional disaster resilience.

**7 Events**

**650 Participants**

**DRONES**

**WILDFIRES**

**EARTHQUAKES**

**CYBERSECURITY**

**MARITIME SECURITY**

**INFRASTRUCTURE**

### Disaster Resilience Symposium at Annual Summit

The Disaster Resilience Symposium was held concurrently with the Annual Summit in Portland, Oregon. Sessions included:

- Calgary Flood and Alberta Fires Response and Recovery
- Climate Change and Adaptation
- Critical Infrastructure Interdependencies: Cross State/Province/National Borders
- Cybersecurity
- Defining Disaster Resilience
- Oil Train Safety and Emergency Response Planning
- Public-Private Partnerships on Resilience
- Technologies Impacting Disaster Resilience

### Partner: Global Resilience Institute

A partnership has been formed with the Northeastern University's Global Resilience Institute (GRI). CRDR staff contributed to a GRI study on the impact of wildland fires on critical infrastructures. Work on earthquake resilience that began with a GRI-led Critical Infrastructure Workshop in September, will continue in 2018. The CRDR will plan and execute a Blue Cascades, Earthquake Recovery Tabletop Exercise for King County, Washington focused on critical infrastructure interdependencies.

### Cybersecurity



Cybersecurity has remained an area of emphasis with two workshops in Washington State and one in Idaho. Topics included communication sharing and cyber insurance. Rep. Zack Hudgins (WA) spoke on cybersecurity on Dec. 7



A board game guided participants through a cyber attack and response. Lessons learned on vulnerability and response planning will be addressed at 2018 events.

### 2018: Maritime & Drones Resilience Challenge

CRDR has been awarded two Department of Homeland Security Resilience Challenge infrastructure projects. The first project will develop a maritime cybersecurity reporting Concept of Operations (CONOPS) that can be used by the maritime industry to report cybersecurity incidents and share information with key partners.

The second grant, in partnership with the Global Resilience Institute, will develop technologies to use Unmanned Aircraft Systems (UAS), or drones, to inspect critical infrastructures post disaster. GRI will provide the technical expertise to execute the engineering aspects of the project and the CRDR will assist with overall stakeholder coordination and grant administration.



Fort McMurray Fire Study with Paul Spring. Phoenix Heliflight (left) and Steve Myers, PNWER (right).